

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 85-13  
NPDES NO. CA0028231

WASTE DISCHARGE REQUIREMENTS FOR:

DESOTO, INC.  
UNION CITY, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Desoto, Inc., hereinafter called the discharger, by application dated December 10, 1984, has applied for renewal of waste discharge requirements and a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES).
2. Stormwater runoff from portions of the discharger's 5.5 acre plant area contains pollutants from the storage and handling of caustics, acids, and detergent base materials used in the production of cleaning compounds. These areas are shown as areas A and B in Attachment A of this Order. Polluted runoff is discharged to a storm sewer on Atlantic Avenue adjacent to its property which in turn empties into Alameda Creek, a water of the United States.
3. The report of waste discharge describes the existing discharges as follows:
  - a. Waste 001 consists of storm runoff from Area A (see Attachment A), the north west roof area, the west roof area, and the west parking lot.
  - b. Waste 002 consists of storm runoff from Area B (see Attachment A), and from the north east roof area.
3. The discharge is presently governed by Waste Discharge Requirements, Order No. 77-27 which allows discharge into Alameda Creek.
4. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for the Alameda Creek and contiguous waters.
5. The beneficial uses of the Alameda Creek and contiguous water bodies are:
  - Water contact recreation
  - Non-contact water recreation
  - Wildlife Habitat
  - Warm and cold fresh water habitat
  - Fish migration and spawning

- ° Industrial service and process supply
  - ° Municipal and Domestic Supply
  - ° Agricultural Supply
  - ° Groundwater Supply
  - ° Fresh Water Replenishment
  - ° Navigation
7. Effluent limitation, toxic effluent standards, established pursuant to Section 301, 304, and 307 of the Clean Water Act and amendments thereto area applicable to the discharge.
  8. Effluent limitation guidelines requiring the application of best available technology economically achievable (BAT) for this point source category have not been promulgated by the U. S. Environmental Protection Agency. Effluent limitations of this Order are based on the Basin Plan, State Plans and Policies, current plant performance, and best professional judgment. The limitations are considered to be those attainable by BAT, in the judgment of the Board.
  9. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 of Division 13) of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
  10. The Board has notified the discharger and interested agencies and persons of its intent to reissue waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
  9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT Desoto, Inc., in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. Discharge of Waste 001 and Waste 002 at any point at which the wastewater does not receive an initial dilution of at least 10:1 is prohibited.
2. The discharge of any wastewater during dry weather to waters of the State is prohibited.

B. Effluent Limitations

The following limitations apply to the discharge of Waste 001 and Waste 002:

1. The discharge shall not have pH of less than 6.0 nor greater than 9.0.

2. The discharge shall not contain MBAS in excess of 40 mg/l as an average of three samples collected in any given day.
3. In any representative set of samples, the waste as discharged shall meet the following limit of quality:

TOXICITY: The survival of test fishes in 96 hour bioassays of the effluent shall be a 90 percentile value of not less than 50 percent survival.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
  - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
  - b. Bottom deposits or aquatic growths;
  - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the state in any place within one foot of the water surface:
  - a. Dissolved oxygen      7.0 mg/l minimum. Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
  - b. pH      Variation from natural ambient pH by more than 0.5 pH units.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resource Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved

applicable water quality standards are promulgated or approved pursuant to Section 303 or the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

1. Area B, as shown in attachment A, shall be swept weekly during the dry weather period of the year (April 1 to October 31) and daily, when weather conditions permits, during the wet weather period of the year (November 1 - March 31) to minimize the discharge of any pollutants to waters of the State. Area B is used as storage and handling area for dry chemicals and process materials.
2. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 77-27 adopted on April 19, 1977. Order No. 77-27 is hereby rescinded.
3. Where concentration limitations in mg/l are contained in this permit, the following mass emission limitations shall also apply as follows:

Mass Emission Limit in kg/day = Concentration limit in mg/l x 3.79 x Actual Flow in mgd averaged over the time interval to which the limit applies.

4. The Discharger shall comply with all sections of this Order immediately upon adoption.
5. The Discharger shall review and update by annually its contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.
6. The discharger shall comply with the self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
7. The Discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977, except A.5, A.12 and B.5.
8. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).
9. Pursuant to Environmental Protection Agency regulations [40 CFR 122.42(a) the Discharger must notify the Regional Board as soon as it knows or has reason to believe (1) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (2) a discharge of a toxic pollutants not limited by this permit has occurred, or will occur, in concentrations that exceed the specified limits.

10. This Order expires February 20, 1985. The Discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
11. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objections. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

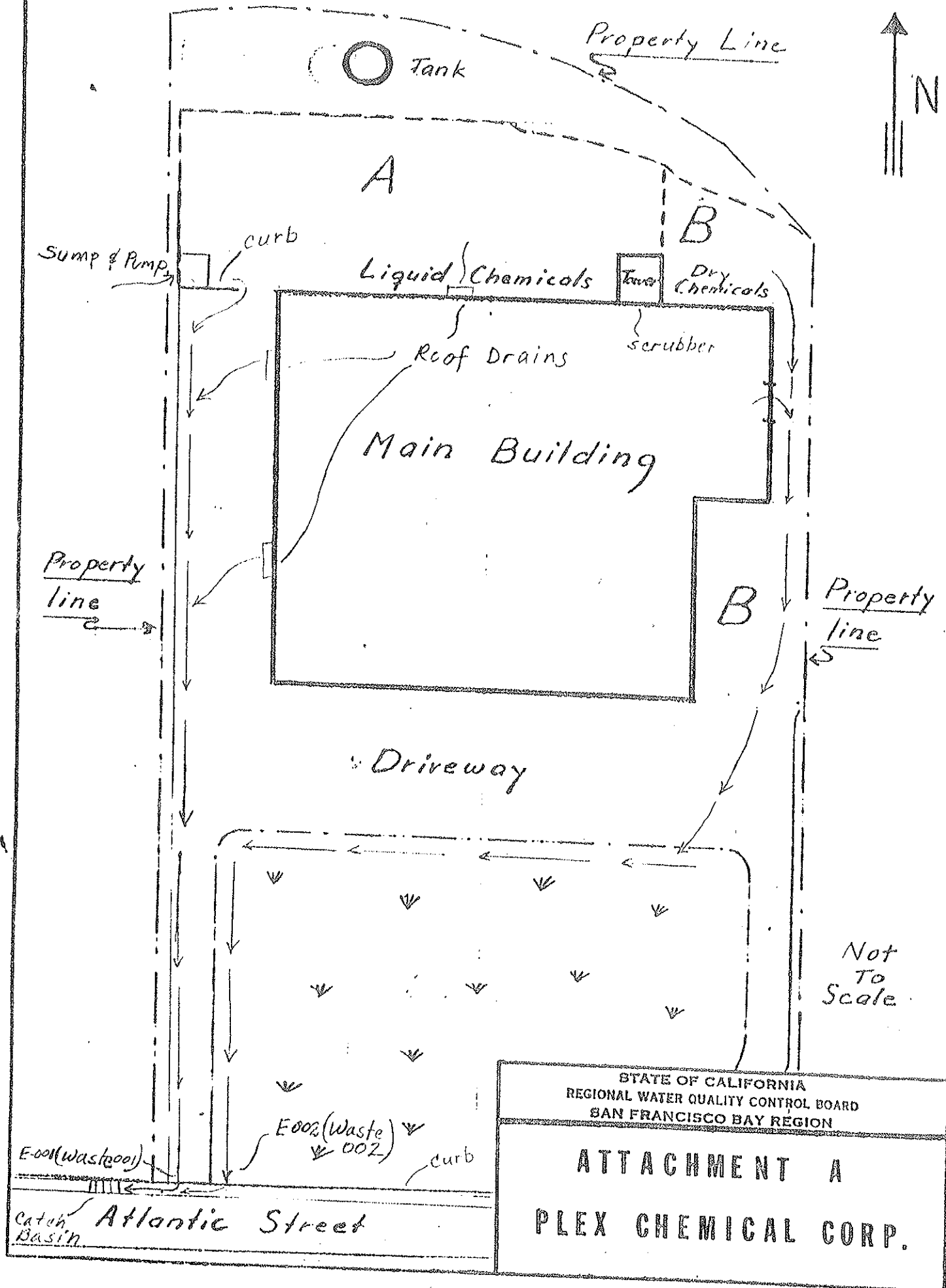
I, Roger B. James, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1985.

ROGER B. JAMES  
Executive Officer

Attachments:

Standard Provisions and  
Reporting Requirements, April 1977  
Self-Monitoring Program  
Resolution 74-10









PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the western stormwater collection facilities between the point of discharge to Atlantic Street and the point at which all waste tributary to that outfall is present.
E-002	At any point in the outfall from the eastern stormwater collection facilities between the point of discharge to Atlantic Street and the point at which all waste tributary to that outfall is present.

II. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSES

- A. The schedule of sampling, measurements and analysis shall be that given as Table I.
- B. Monthly self-monitoring reports shall include rainfall records by date and amount.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 85-13.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revision will be ordered by the Executive Officer.

ROGER B. JAMES  
Executive Officer

Effective Date February 28, 1985

Attachment: Table I

TABLE I

## SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001	E-002					
	*	*					
TYPES OF SAMPLES	G	G					
pH (units)	2/M	2/M					
	**	**					
Toxicity, % Survival	Q	Q					
All applicable standard observation	2/M	2/M					
MBAS (mg/l)	2/M	2/M					

LEGEND

Q = Quarterly  
 G = Grab sample  
 O = Observations  
 E = Waste effluent station  
 M = One day each month  
 2/M = Two days each month  
 Y = One day each year

\* Take a minimum of 3 grab samples on day of sampling. The first sample for each day shall be taken during the first hour of discharge, and the others at equal time intervals thereafter. The three samples shall be combined and analyzed.

\*\*The samples collected from E-001 and E-002 may be combined, in proportion with the respective flow rates, for this analysis. Samples are to be taken during the months of November and February.